

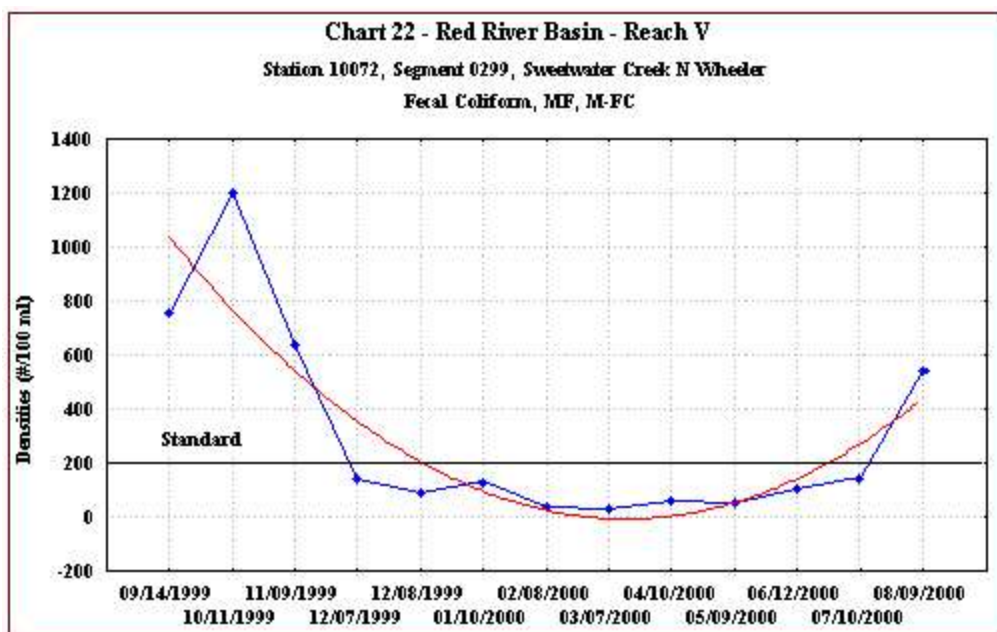
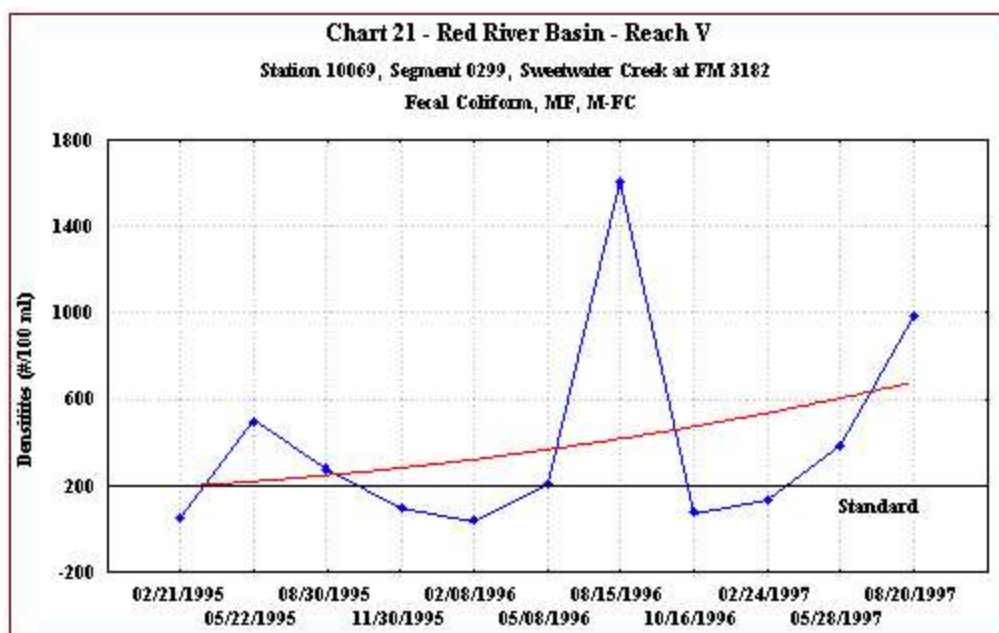
### 3.5 FACTORS INFLUENCING WATER QUALITY IN REACH V

Basin Reach V represents the North Fork Red River from the Texas-Oklahoma state-line upstream to the headwaters of McClellan Creek, including the headwaters of the Salt Fork of the Red, Red River, Elm Fork of Red River and the Washita River (Collingsworth/Wheeler/Hemphill Counties to Potter County). Reach V includes six subwatersheds with 7,580 square miles of contributing drainage in Texas and Oklahoma; 4,124 square miles in Texas.

There are three classified stream segments (0222, 0223, 0224) in this basin reach. There are 27 permitted municipal and industrial dischargers, 15 permitted solid waste disposal sites, about 4,168 petroleum storage tanks, 19 confined animal feeding operations, and approximately 170,882 persons within this reach. There are seven water quality monitoring stations (6 routine and 1 systematic) that provided data for screening in this basin reach. The Authority conducted seven monitoring events and 440 parameters were evaluated.

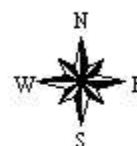
Results of the data screening indicated that dissolved oxygen (DO) in stream segment 0223, Greenbelt Reservoir (station 10173) was identified as the only parameter that did not meet the screening criteria. The elevated levels of DO are probably due to the method of sampling used in the reservoir and should not be considered in the evaluation.

Although there was an insufficient number of samples to meet screening criteria, elevated levels of fecal coliform were observed at stations 10069 and 10072 on several occasions that exceeded the stream standard. Refer to **Charts 21** and **22** for details of the analysis and **Table 3** for a statistical summary of the parameters screened. Further analysis showed the fecal densities correlated with flow events encountered during the same periods. Therefore, the elevated fecal densities appear to be originating from storm water runoff of agricultural areas and warrant further investigation.



Additional information and details of the screening analysis results are available on the Authority's website at [www.rra.dst.tx.us/Publications/CRP](http://www.rra.dst.tx.us/Publications/CRP) or a copy of the Basin Highlights Report can be obtained by contacting the office at (940) 723-0855.

*All parameters screened utilized the State's Surface Water Quality Monitoring Standards, and, as such, do not reflect drinking water standards.*

[illegible]

Cancer itself often is painless, but patients usually may get dry skin or changes in hair loss. Some differences are red or swollen lips. Skin usually becomes white.

Figure 5